Air Force Institute of Technology

Civil Engineer and Services School

Engineering

ETRC

Col Jared Astin

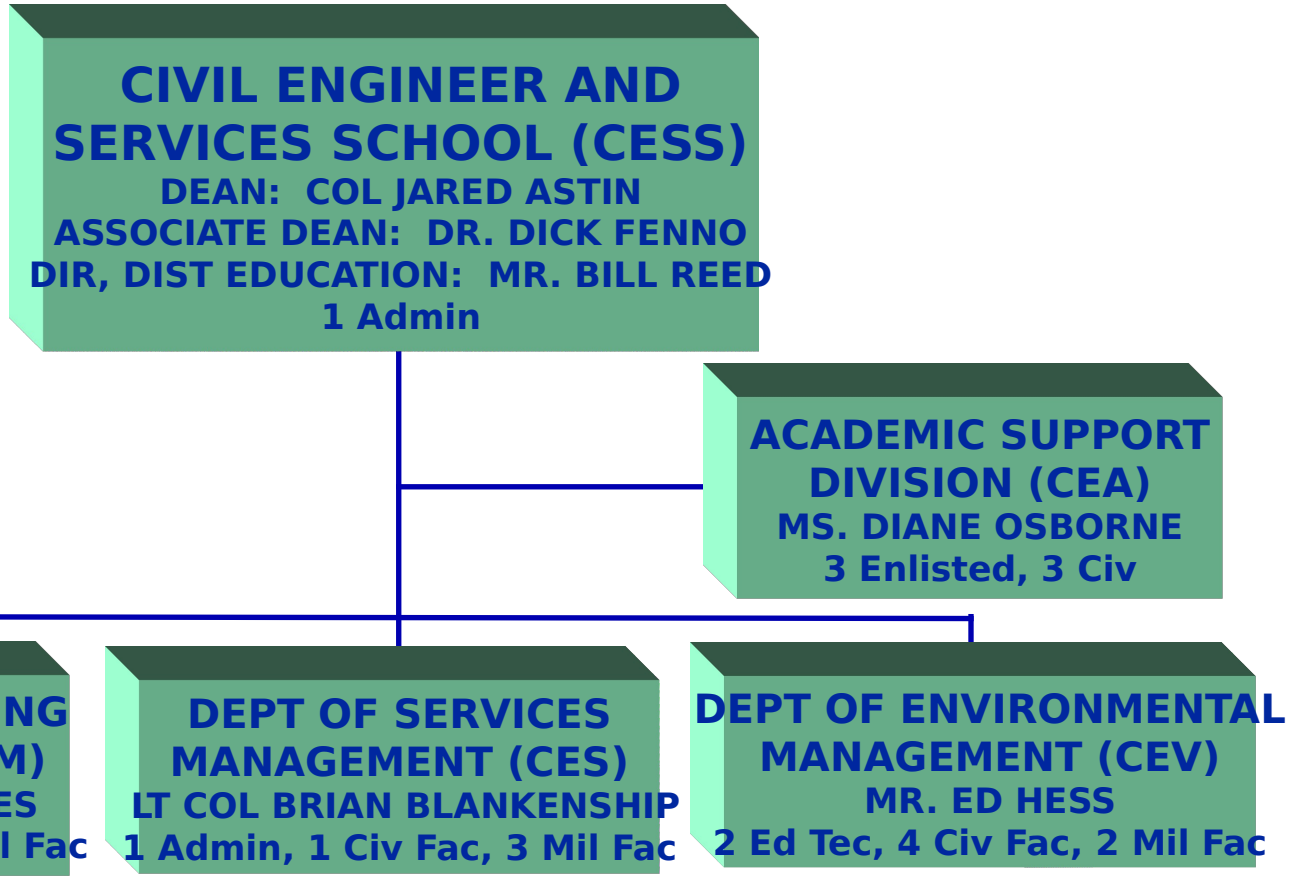
9 March 2004

Integrity - Service - Excellence

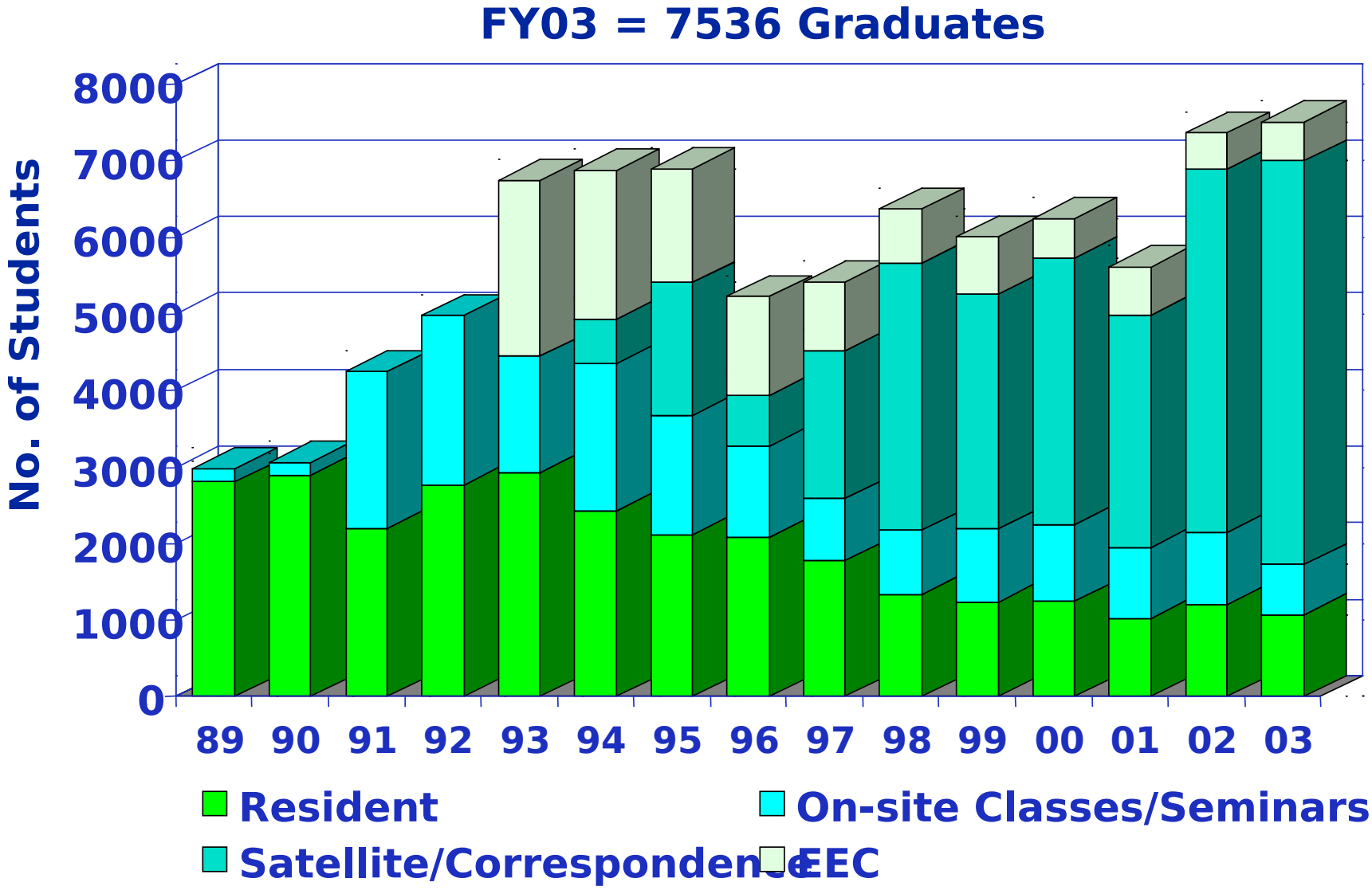
MISSION

Develop and deliver civil engineer, environmental, and services professional continuing education; and provide consultation in support of U.S. air and space forces

ORGANIZATION

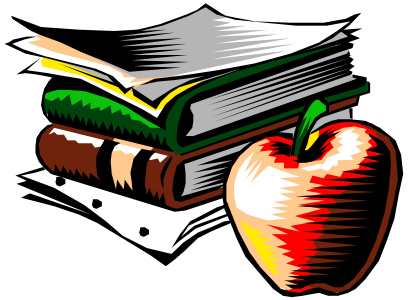

CIVIL ENGINEER AND SERVICES SCHOOL (CESS)
DEAN: COL JARED ASTIN
ASSOCIATE DEAN: DR. DICK FENNO
DIR, DIST EDUCATION: MR. BILL REED
1 Admin
ACADEMIC SUPPORT DIVISION (CEA)
MS. DIANE OSBORNE
3 Enlisted, 3 Civ
DEPT OF ENGINEERING MANAGEMENT (CEM)
LT COL DEREK JEFFRIES
1 Ed Tec, 1 Civ Fac, 8 Mil Fac
DEPT OF SERVICES MANAGEMENT (CES)
LT COL BRIAN BLANKENSHIP
1 Admin, 1 Civ Fac, 3 Mil Fac
DEPT OF ENVIRONMENTAL MANAGEMENT (CEV)
MR. ED HESS
2 Ed Tec, 4 Civ Fac, 2 Mil Fac

Civil Engineer and Services School



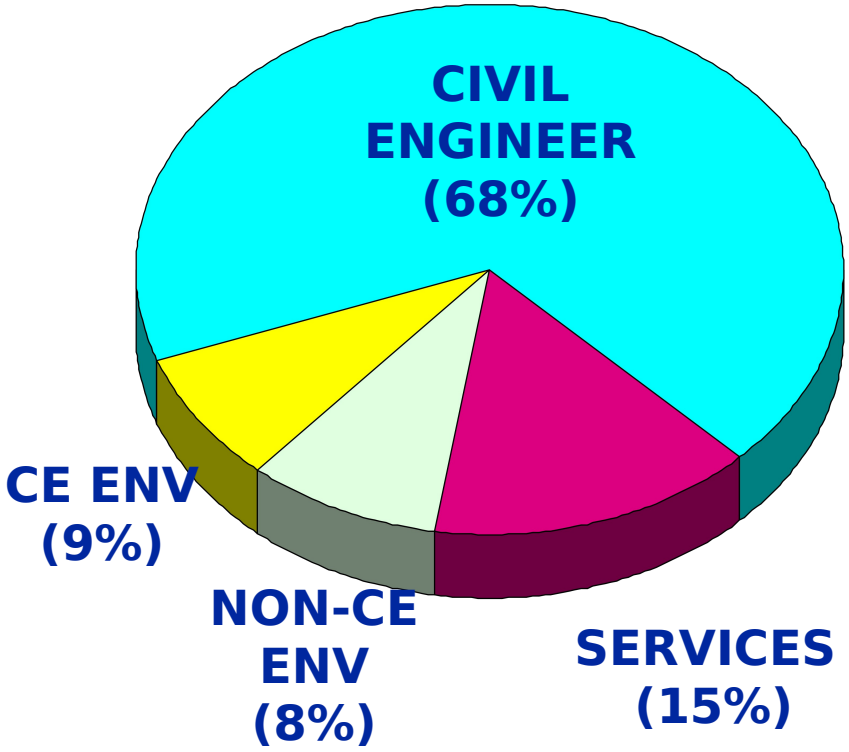
FY03 DELIVERY

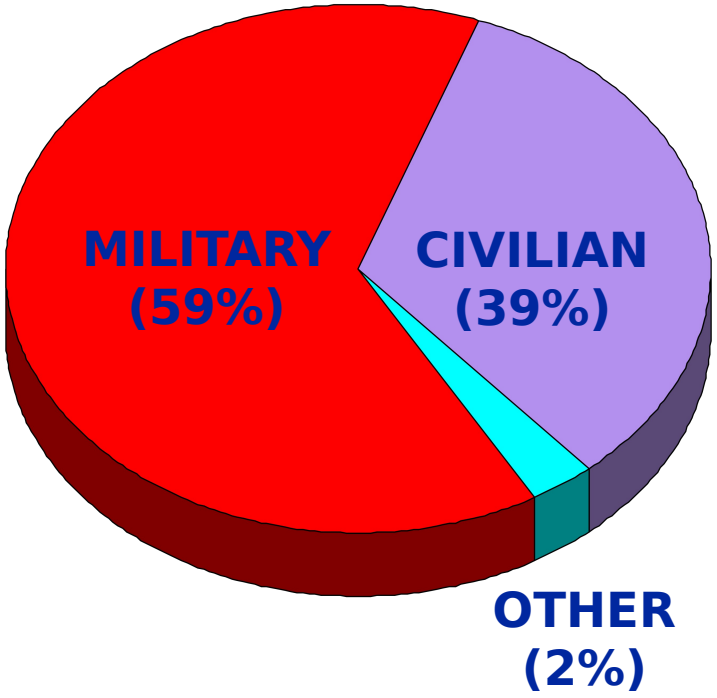
- **Resident**
  - 27 courses
  - 46 classes
  - 1079 programmed students



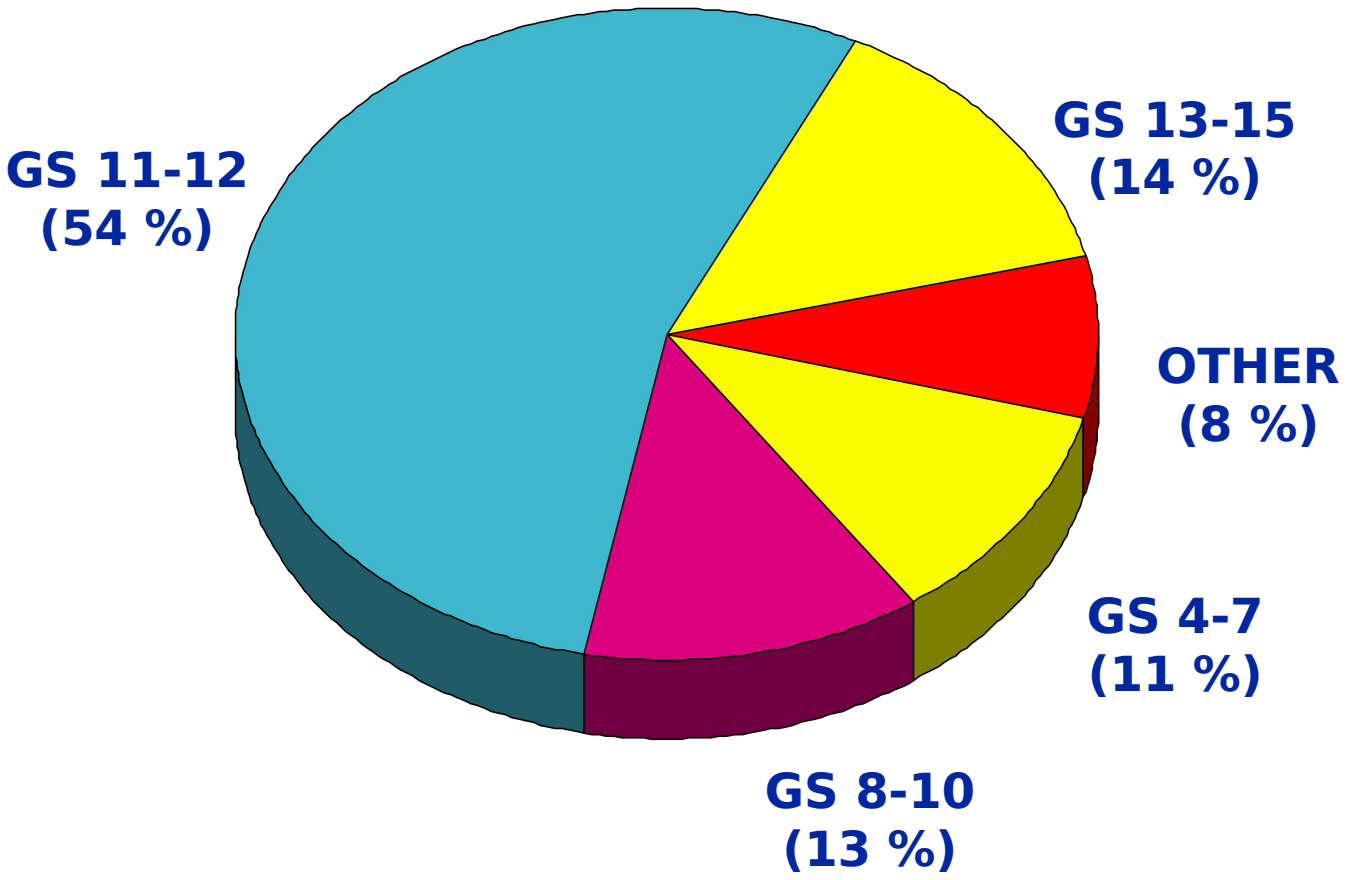
- **Non-Resident**
  - On-sites/Seminars – 656 students
  - Correspondence – 21 students
  - Satellite delivery – 5374 students
  - Environmental Education Center – 506 students

FY 03 RESIDENT STUDENTS
1079 Enrolled

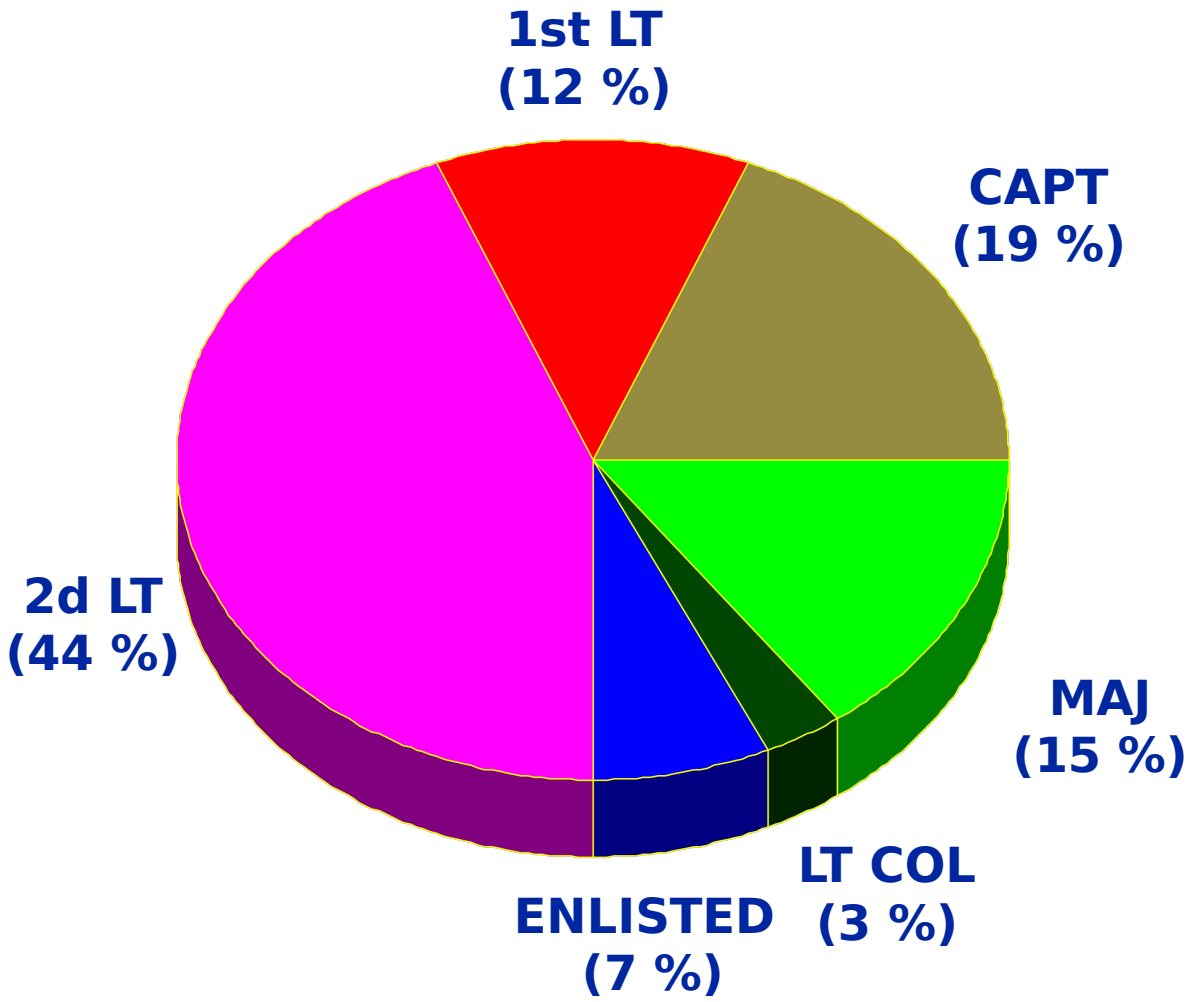




FY 03 RESIDENT STUDENTS
392 Civilian Students



FY 03 RESIDENT STUDENTS
687 Military



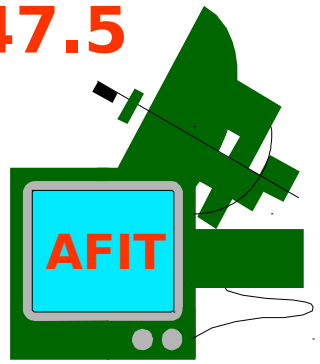
FY 03 SATELLITE PROGRAM

18 courses and 8 seminars

- ENG 460 Mechanical Systems for Managers
- ENG 470 Electrical Systems for Managers
- ENG 555 Airfield Pavement Construction Insp
- MGT 421 Contracting for CE
- MGT 422 Project Management
- MGT 423 Project Programming
- MGT 424 Real Estate Property Management
- MGT 426 SABER Management
- MGT 436 Maintenance Engineering
- MGT 444 Competitive Sourcing
- MGT 446 Utilities Privatization
- MGT 438 Logistics Management
- MGT 445 Housing Privatization

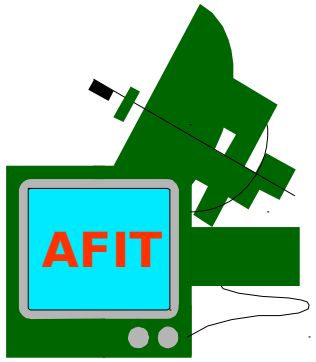
TOTAL BROADCAST HOURS

1047.5



FY 03 SATELLITE PROGRAM
(Cont'd)

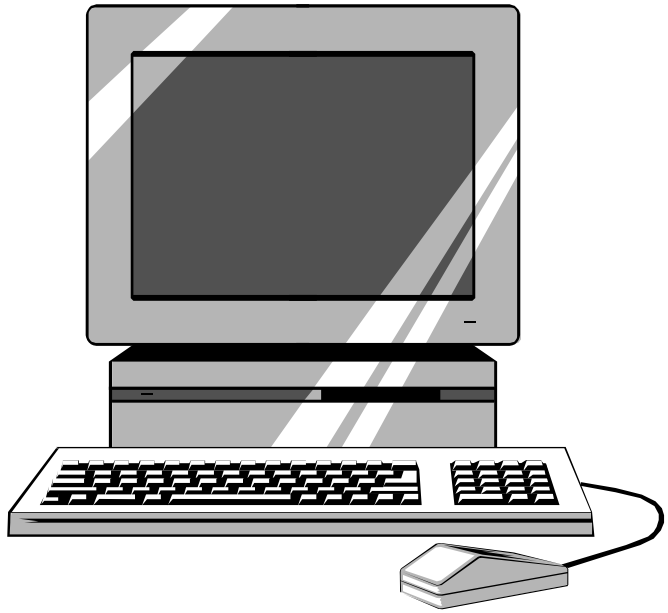
- ENV 020 Environmental Compliance Assessment (ECAMP)
- ENV 022 Pollution Prevention Program Ops & Management
- ENV 220 Unit Environmental Coordinator (U.E.C.)
- ENV 222 Hazardous Material Management Program (HMMP)
- ENV 521 Hazardous Waste Management
- AF Worldwide Services Seminar
- AFMC Child Care Development Seminar
- Hazardous Waste Seminar
- Stormwater Manager's Seminar
- ECAMP Team Chief's Seminar
- NEC 2002 Update Course
- AF Community Center Seminar
- Energy Savings Program Contract Seminar



FY 03 WEB BASED PROGRAM

1 course and 2 seminars

- **ENG 520 Comprehensive Planning Development**
- **Storm Water Seminar (FY-04)**
- **Hazardous Waste Accumulation Seminar (FY-04)**



DISTANCE LEARNING

Cont'd

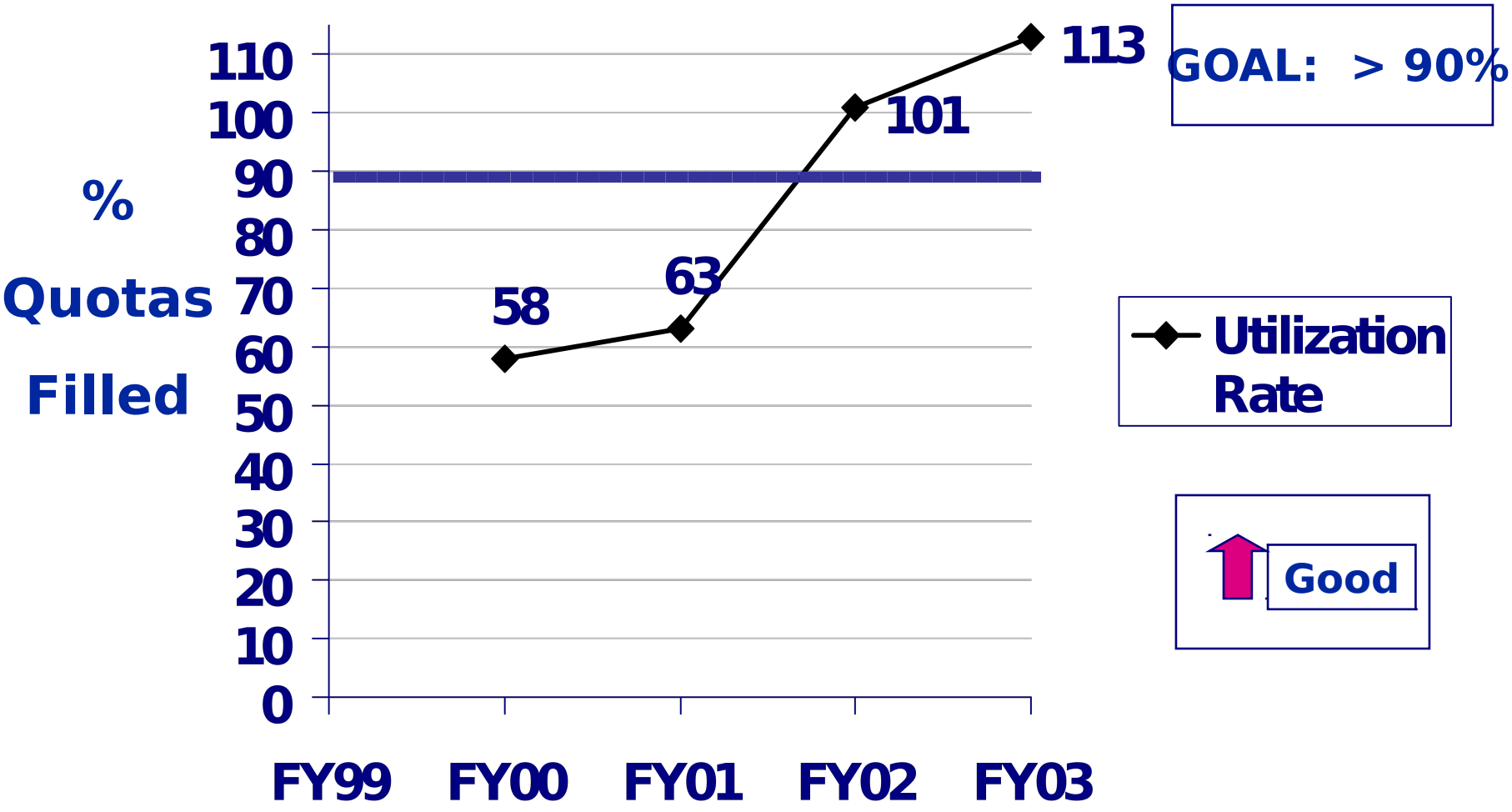
- AFIT approach to distance learning
  - Use technology to leverage resources
  - One size does not fit all
    - Media needs to match the course material
  - Best option may be a hybrid
- Results
  - Increased the number of courses
  - Increased the number of students
  - Reduced overall costs

FY 02 STUDENT COSTS

Resident cost per student: $1245
(average all AETC courses)

Satellite cost per student: $135
(average all courses)

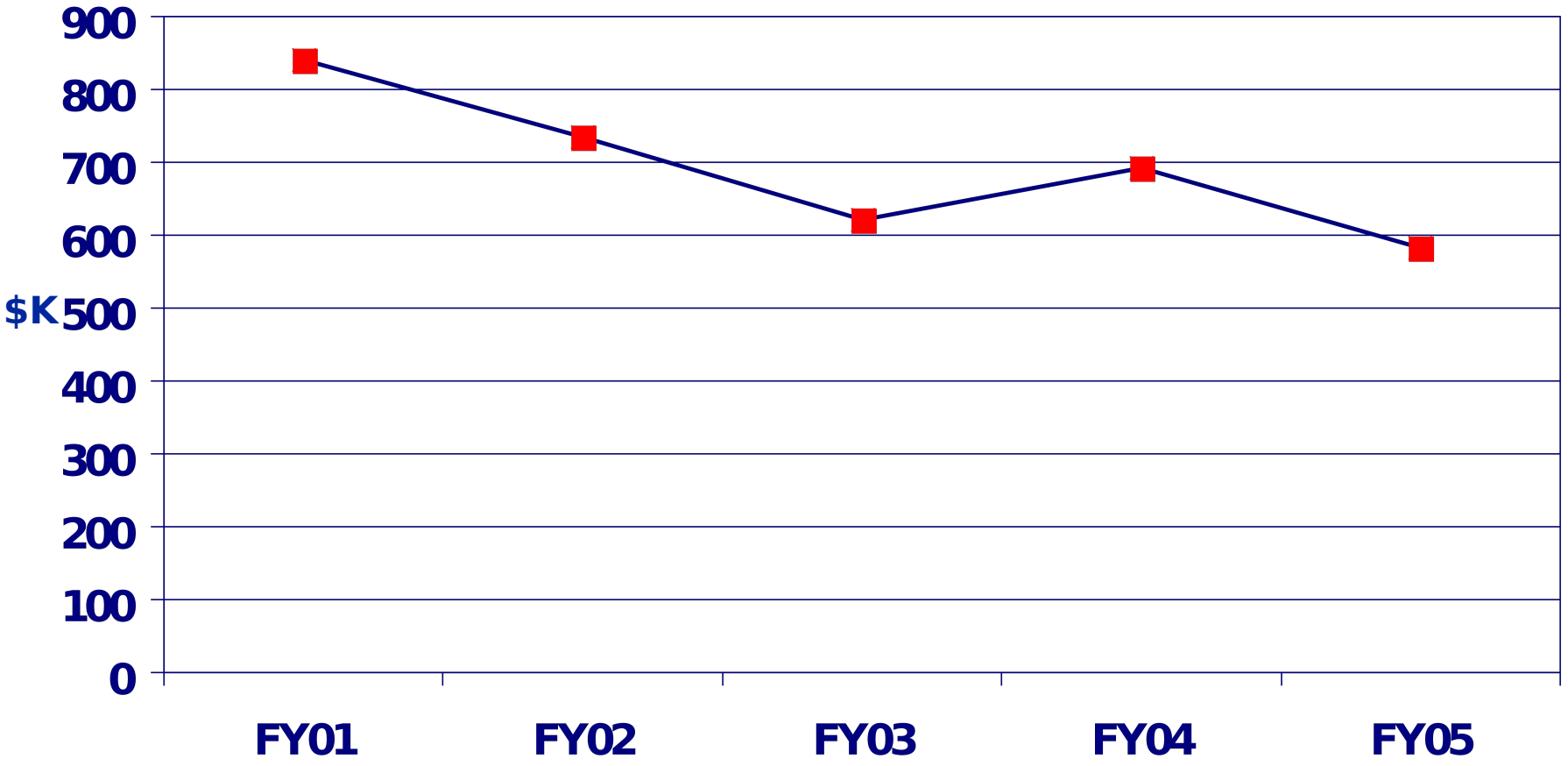
CE AFERB RESIDENT QUOTAS



COURSE FUNDING

- AFERB
- 2AF (MGT 101, SVS 101)
- Environmental Funds (AETC)
- Energy Money (AFCESA)

CE AFERB Funding



CE COURSE DEVELOPMENT PROCESS

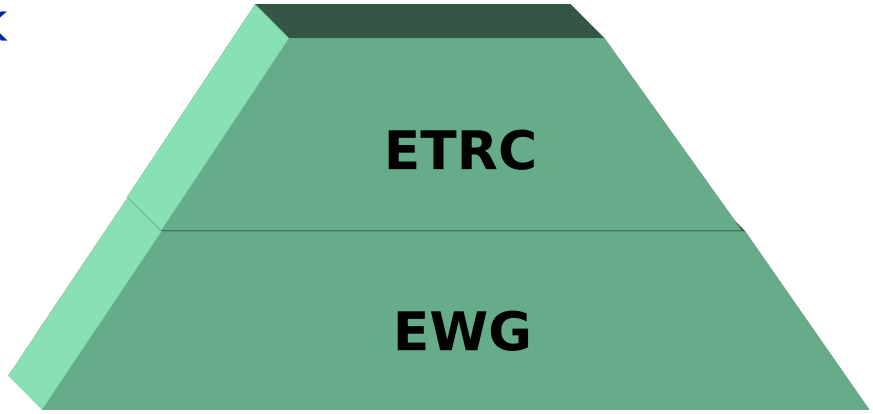
EDUCATION WORKING GROUPS

- 6-10 functional area experts selected by the course director of each course.
- Given the intended audience, the EWG determines the bodies of knowledge and specific topics for the course.
- EWGs also sequence the topics, identify references, and recommend resources.

CE COURSE DEVELOPMENT PROCESS

EDUCATION /TRAINING REVIEW COMMITTEE

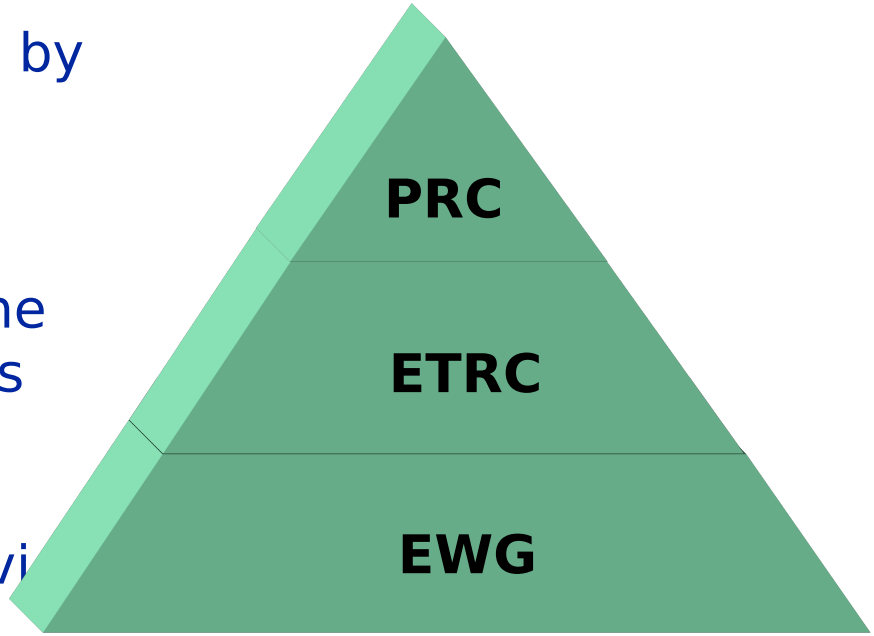
- Convened annually by Air Staff.
- Representatives from MAJCOMs.
- Reviews education and training courses, and assesses feedback from courses.
- Recommends course additions, deletions, or modifications.
- Ensures resources are used to buy the best education and training for the most people.



CE COURSE DEVELOPMENT PROCESS

PROGRAM REVIEW COMMITTEE

- Convened and chaired annually by AF/ILE.
- Members are MAJCOM Civil Engineers.
- Reviews recommendations of the ETRC, endorsing or modifying as needed.
- Anticipates new audiences and bodies of knowledge based on vi from the top.
- Ensures resources are available and used effectively.



SUMMARY

The school is dedicated to providing highest quality, responsive education for CE and Services.

“How can we help you?”